

## METHODS AND APPARATUSES FOR IMPLANTABLE MEDICAL DEVICE TELEMETRY POWER MANAGEMENT

### Abstract

5           An implantable medical device includes a radio-frequency (RF) telemetry circuit  
and a power connection module through which the RF telemetry circuit is connected to  
an energy source such as a battery. The power connection module connects power from  
the energy source to at least one portion of the RF telemetry circuit when a user initiates  
an RF telemetry session. After the RF telemetry session is completed, the power  
10   connection module shuts off the at least one portion of the RF telemetry circuit. Power-  
on examples include a wireless telemetry activation signal received by a low power  
radio receiver in the implantable device, a physical motion detected by an activity  
sensor in the implantable device, an activation of an inductive telemetry circuit in the  
implantable device, a magnetic field detected by a magnetic field detector in the  
15   implantable device, and/or a telemetry activation signal detected by a sensing circuit  
included in the implantable device. Power-off examples include a wireless termination  
signal received by the implantable device, a delay timeout following the RF telemetry  
session, and/or a signal received by an inductive telemetry circuit in the implantable  
device.

"Express Mail" mailing label number: EV019094322

Date of Deposit: February 7, 2002

This paper or fee is being deposited on the date indicated above with  
the United States Postal Service pursuant to 37 CFR 1.10, and is  
addressed to the Commissioner for Patents, Box Patent Application,  
Washington, D.C. 20231.